

PATENT APPLICATION  
CH7660US**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICATION OF )  
LUCYNA PAWLOWSKA ET AL )  
SERIAL NUMBER: 10/534,202 )  
FILED: MAY 6, 2005 )  
TITLE: ALKENYLSUCCINIC ANHYDRIDE )  
SURFACE-APPLIED SYSTEM AND )  
METHOD OF USES THEREOF )

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. 1.97(b)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This disclosure statement under 37 CFR 1.97 & 1.98 is submitted before the first Office Action in order that the Patent and Trademark Office may consider the relevancy of certain information to the invention described and claimed in the subject application, and in compliance with the regulations concerning information disclosure statements. Enclosed are copies of the following:

- a) the Search Report received in the corresponding application pending in the International Patent Office and an English language translation thereof;

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an enveloped addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 or facsimile transmitted to the USPTO on the date below:

Diderico van Evt. Reg. No. 38,641

Name of applicant, assignee or Registered Representative

Signature

June 20, 2005

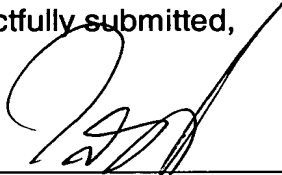
Date

- b) the documents cited by the International Patent Office in the Search Report listed on the attached Form PTO-1449; and
- c) additional copies of documents.

This Information Disclosure Statement should not be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, that any document mentioned herein constitutes prior art, or that the documents listed severally or in any combination with one another or with any other information, are believed to render any claim in the subject application prima facie unpatentable.

Respectfully submitted,

By

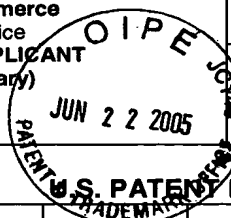
  
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|---------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------|--------------------------|
| Form PTO 1449<br>Rev. 7-80                                                | U.S. Department of Commerce<br>Patent and Trademark Office | Atty. Docket No.<br>CH7660US        | Serial No.<br>10/534,202 |
| LIST OF PRIOR ART CITED BY APPLICANT<br>(Use Several Sheets If Necessary) |                                                            | Applicant<br>Lucyna Pawlowska et al | Filing Date<br>5/6/05    |
|                                                                           |                                                            | Group                               |                          |



| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE     | NAME                                        | CLASS             | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|----|-----------------|----------|---------------------------------------------|-------------------|----------|----------------------------|
|                  | AA | 3,102,064       | 8/27/63  | Wurzburg et al                              | 162               | 158      |                            |
|                  | AB | 3,821,069       | 6/28/74  | Wurzburg                                    | 162               | 158      |                            |
|                  | AC | 3,968,005       | 7/6/76   | Wurzburg                                    | 162               | 158      |                            |
|                  | AD | 4,040,900       | 8/9/77   | (Bel. to corresp. to GB<br>Mazzarella et al | 1,492,104)<br>162 | 158 R    |                            |
|                  | AE | 4,222,820       | 9/16/80  | Hiskens et al                               | 162               | 158      |                            |
|                  | AF | 4,235,629       | 11/25/80 | Marsh et al                                 | 75                | 211      |                            |
|                  | AG | 4,533,434       | 8/6/85   | Yoshioka et al                              | 162               | 124      |                            |
|                  | AH | 4,606,773       | 8/19/86  | Novak                                       | 106               | 213      |                            |
|                  | AI | 4,657,946       | 4/14/87  | Rende et al                                 | 523               | 402      |                            |
|                  | AJ | 4,666,523       | 5/19/87  | (Bel. to corresp. to EP<br>Yokota et al     | 235,334)<br>106   | 213      |                            |
|                  | AK | 4,849,055       | 7/18/89  | (Bel. to corresp. to EP<br>Yoshioka et al   | 257,772)<br>162   | 158      |                            |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE     | COUNTRY       | CLASS | SUBCLASS | TRANSLATION |     |
|--|----|-----------------|----------|---------------|-------|----------|-------------|-----|
|  |    |                 |          |               |       |          | Yes         | No* |
|  | AL | 2,148,910       | 10/23/84 | Great Britain |       |          |             |     |
|  | AM | 1,296,511       | 7/12/74  | Great Britain |       |          |             |     |
|  | AN | 01/38638        | 5/31/01  | World Patent  |       |          |             |     |
|  | AO | 97/49865        | 12/31/97 | World Patent  |       |          |             |     |
|  | AP | 00/20686        | 4/13/00  | World Patent  |       |          |             |     |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |                                                                                                                                                                      |
|--|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | AR | Zandersons J. G., et al, "Gelatinized unmodified starch-stabilized alkenyl succinic anhydride emulsion paper sizing", pages 109-113, (Russian journal not available) |
|  | AS |                                                                                                                                                                      |
|  | AT |                                                                                                                                                                      |

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| EXAMINER                                                                                                                                                                                                                        | DATE CONSIDERED |
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\* Neither English Language Equivalent nor an English Language Translation is available.

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| <b>Form PTO 1449</b><br>Rev. 7-80<br><b>U.S. Department of Commerce</b><br>Patent and Trademark Office<br><b>LIST OF PRIOR ART CITED BY APPLICANT</b><br>(Use Several Sheets If Necessary) | Atty. Docket No.<br>CH7660US        | Serial No.<br>10/534,202 |
|                                                                                                                                                                                            | Applicant<br>Lucyna Pawłowska et al |                          |
|                                                                                                                                                                                            | Filing Date<br>5/6/05               | Group                    |

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|                     | AA | 4,849,131       | 7/18/89  | Sweeney                                    | 252             | 312      |                               |
|                     | AB | 4,872,951       | 10/10/89 | Maliczyszyn et al                          | 162             | 135      |                               |
|                     | AC | 4,915,786       | 4/10/90  | Sweeney                                    | 162             | 158      |                               |
|                     | AD | 5,015,500       | 5/14/91  | Garde                                      | 427             | 211      |                               |
|                     | AE | 5,104,486       | 4/14/92  | (Bel. to corresp. to BE<br>Sweeney         | 897,568)<br>162 | 158      |                               |
|                     | AF | 5,219,912       | 6/15/93  | (Bel. to corresp. to EP<br>Takahashi et al | 468,280)<br>524 | 321      |                               |
|                     | AG | 5,224,993       | 7/6/93   | Takahashi et al                            | 196             | 287.2    |                               |
|                     | AH | 5,306,757       | 4/26/94  | Hatanaka et al                             | 524             | 321      |                               |
|                     | AI | 5,312,333       | 5/17/94  | (Bel. to corresp. to EP<br>Churinetz et al | 563,982)<br>604 | 57       |                               |
|                     | AJ | 5,415,631       | 5/16/95  | (Bel. to corresp. to EP<br>Churinetz et al | 563,982)<br>604 | 57       |                               |
|                     | AK | 5,627,224       | 5/6/97   | Lymalm et al                               | 524             | 52       |                               |

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|  |    | DOCUMENT NUMBER | DATE    | COUNTRY               | CLASS | SUBCLASS | TRANSLATION |     |
|--|----|-----------------|---------|-----------------------|-------|----------|-------------|-----|
|  |    |                 |         |                       |       |          | Yes         | No* |
|  | AL | 01/00927        | 1/4/01  | World Patent          |       |          |             |     |
|  | AM | 02/08514        | 1/31/02 | World Patent          |       |          |             |     |
|  | AN | 02/35003        | 5/2/02  | World Patent          |       |          |             |     |
|  | AO | 09228293        | 9/2/97  | Japan (Abstract only) |       |          |             |     |
|  | AP | 06166985        | 6/14/94 | Japan (Abstract only) |       |          |             |     |

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

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|                                                                                                                                                                                            | Applicant<br>Lucyna Pawłowska et al |                          |
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|---------------------|----|-----------------|----------|----------------------------------------|------------------|----------|-------------------------------|
|                     | AA | 5,723,179       | 3/3/98   | Wong et al                             | 427              | 258      |                               |
|                     | AB | 5,759,249       | 6/2/98   | Wasser                                 | 106              | 209.1    |                               |
|                     | AC | 5,766,417       | 6/16/98  | Brungardt                              | 162              | 158      |                               |
|                     | AD | 5,876,562       | 3/2/99   | Johansson                              | 162              | 158      |                               |
|                     | AE | 5,931,225       | 8/3/99   | Nishishita et al                       | 165              | 153      |                               |
|                     | AF | 6,162,328       | 12/19/00 | Cenisio et al                          | 162              | 135      |                               |
|                     | AG | 6,183,550       | 2/6/01   | Conner et al                           | 106              | 209.1    |                               |
|                     | AH | 6,207,719       | 3/27/01  | Pardikes                               | 516              | 67       |                               |
|                     | AI | 2001/0049397    | 12/6/01  | Pardikes                               | 516              | 67       |                               |
|                     | AJ | 6,348,132       | 2/19/02  | Zhang et al                            | 162              | 158      |                               |
|                     | AK | 6,372,035       | 4/16/02  | (Bel. to corresp. to WO<br>Juppo et al | 99/37859)<br>106 | 287.2    |                               |

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|--|----|-----------------|---------|-----------------------|-------|----------|-------------|-----|
|  |    |                 |         |                       |       |          | Yes         | No* |
|  | AL | 06116894        | 4/26/94 | Japan (Abstract only) |       |          |             |     |
|  | AM | 61034298        | 2/18/86 | Japan (Abstract only) |       |          |             |     |
|  | AN | 61274735        | 5/29/85 | Japan (Abstract only) |       |          |             |     |
|  | AO | 2000265389      | 9/26/00 | Japan (Abstract only) |       |          |             |     |
|  | AP | 09111692        | 4/28/97 | Japan (Abstract only) |       |          |             |     |

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|---------------------|----|-----------------|----------|----------------------------------------|------------------|----------|------------------------------------|
|                     | AA | 6,444,024       | 9/3/02   | (Bel. to corresp. to WO<br>Mills et al | 01/44575)<br>106 | 287.23   |                                    |
|                     | AB | 6,576,049       | 6/10/03  | (Bel. to corresp. to WO<br>Dilts et al | 01/88262)<br>106 | 219      |                                    |
|                     | AC | 2003/0205167    | 11/6/03  | (Bel. to corresp. to WO<br>Dilts et al | 01/88262)<br>106 | 219      |                                    |
|                     | AD | 6,666,952       | 12/23/03 | (Bel. to corresp. to WO<br>Dilts et al | 01/88262)<br>162 | 158      |                                    |
|                     | AE |                 |          |                                        |                  |          |                                    |
|                     | AF |                 |          |                                        |                  |          |                                    |
|                     | AG |                 |          |                                        |                  |          |                                    |
|                     | AH |                 |          |                                        |                  |          |                                    |
|                     | AI |                 |          |                                        |                  |          |                                    |
|                     | AJ |                 |          |                                        |                  |          |                                    |
|                     | AK |                 |          |                                        |                  |          |                                    |

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|--|----|-----------------|---------|-----------------------|-------|----------|-------------|-----|
|  |    |                 |         |                       |       |          | Yes         | No* |
|  | AL | 1992-349863     | 6/21/94 | Japan (Abstract only) |       |          |             |     |
|  | AM | 05195488        | 8/3/93  | Japan (Abstract only) |       |          |             |     |
|  | AN | 06128896        | 5/10/94 | Japan (Abstract only) |       |          |             |     |
|  | AO |                 |         |                       |       |          |             |     |
|  | AP |                 |         |                       |       |          |             |     |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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